127-0000-0093

National Register of Historic Places Registration Form

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in Guidelines for Completing National Register Forms (National Register Bulletin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories fisted in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

1. Name of Property

historic name Four Mile Creek Lattice

Form 10-900a). Type all entries.		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Name of Property		ing of the state o	
pistoric name Four Mile Creek Lattice			
other names/site number Four Mile Creek Lat	<u>tice</u>		
	C.P.A.C.O	2 and F A C 820	A CONTROL OF THE PARTY OF THE P
2. Location 2 miles west & 1 mile north of	intersection of r.A.S. 9	3 and F.A.S. 020	not for publication
street & number Unmarked county road	4-1		vicinity
city, town Wilsey	Annalis Namaia	code 47	zip code 66873
state Kansas code KS	county Morris		
	The state of the s	**************************************	
3. Classification	of Property	Number of Resou	rces within Property
Challer all in the country		Contributing	Noncontributing
private		G01111100111119	buildings
x public-local distric	L	Activities and the second	sites
public-Statesite		1	structures
nublic-Federal X structi			objects
Cobject			Total
		<u></u>	buting resources previously
Name of related multiple property listing:		Number of count	onal Register
Metal Truss Bridges in Kansas		listed in the Natio	mai register
		<u> Tarangan dan menganan dalah berampah di Barang dan pengangan dan mengangkan dan pengangkan dan pengangkan dan</u>	
State/Federal Agency Certification As the designated authority under the National			2.5
Inomination I request for determination of National Register of Historic Places and meets In my opinion, the property X meets I does Signature of certifying official	not meet the National Regist	er criteria. See	continuation sheet. Nov. 16,1989 Date
State or Federal agency and bureau	4		
1	A A A A Alexianal Pagist	er criteria Sea	continuation sheet.
In my opinion, the property meets does	not meet the National Pegis	er cintoria.	
Signature of commenting or other official			Date
State or Federal agency and bureau			
5. National Park Service Certification			
I, hereby, certify that this property is:			
· · · · · · · · · · · · · · · · · · ·			
entered in the National Register.			
See continuation sheet.			
determined eligible for the National		•	
Register. See continuation sheet.			
determined not eligible for the			-
National Register.		 	
removed from the National Register.			***************************************
other, (explain:)			
	Signature of	'(eeper	nate of Action

6. Function or Use Historic Functions (enter categories from instructions) Transportation: Road Related (Vehicular): Bridge	Current Functions (enter categories from instructions) Transportation: Road Related (Vehicular): Bridge
7. Description Architectural Classification (enter categories from instructions)	Materials (enter categories from instructions)
Other: Lattice Pony Truss	foundationwalls
	roof other <u>Metal: Wrought Iron</u> or Steel

Describe present and historic physical appearance.

The Four Mile Creek bridge, erected Ca. 1890, is a pin connected lattice pony truss. The single span is 35 feet long and 16 feet wide. The deck rises 10 feet above the creek bed. It is located on a county road southeast of Wilsey. The bridge is located on a slight bend of the road and sits on a slight northeast-southwest alignment. This is often true with early bridges as this misalignment allowed a right angle approach to the river and a saving of money in both bridge and amount of fill required.

The members of a truss bridge are designated either as chord members or web members. Chord members are those mainly defining the outlines of the structure and they are termed lower or upper chord members depending on whether they are found at the bottom or the top of the structure. Members between the chords are web members. They are called posts or ties if they sustain compression or tension respectively. In the instance of the Four Mile Creek bridge, the chords and endposts are fabricated from angle stock rivited to a top cover plate. A bar lattice is used to form the two respective panels, which become a strong and stiff web. No external sway bracing is used in this particular design. Iron eye bars are wrapped around and over the top chord and attached to the bottom chord by the use of a pin. This consists of metal I beams suspended below the bottom chord at these pin connection points. Cast iron sunflowers form a decorative element on both panels. The bridge has not been modified and retains a high degree of its structural integrity.

8. Statement of Significance									MODELLE CONTRACTOR OF THE PROPERTY OF THE PROP
Certifying official has considered the	significa n	nce of tationally	his prop /	orty in i ∐statev	vide	to otner	properties: ally		
Applicable National Register Criteria	ПΑ	□в	⊠c						
Criteria Considerations (Exceptions)	ПА	□В	□с			□F	□G		
Areas of Significance (enter categories Engineering Transportation	s from i	nstruction	ons)		Period Ca. 1	of Signi 890 1890	ficance		Significant Dates Ca. 1890 ca. 1890
					Cultura	ıl Affiliat		<u>/</u> A	
Significant Person n/a						ct/Build n Bridg	e Company		
						d prope	and period	s of significa	ince noted above.

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.

The Town lattice truss was patented by Ithel Town in 1820. The closely spaced diagonal members created a stiff web that was quite strong. The early examples were constructed of wood, but by the late 19th century a few were constructed of metal, generally wrought iron.

No construction data has presently been located about the Four Mile Creek bridge. It was selected as a candidate in this nomination as it is a good example of late lattice truss design with good integrity. It is also of a different design than the Norton county bridges as built by the Canton Bridge Company. The inverted king post which was attached to the former does not exist in this instance. It also features a pin connection and eyebar which would date it earlier than the turn of the century. Design elements such as the cast iron sunflowers at certain points in each panel and the remains of a builder's plate with the remaining letters "ON" would suggest that it is an early version of Canton's lattice truss design. Approximately ten lattice pony trusses are known to exist in Kansas. All are approximately the same length of thirty six feet. Eight of these ten bridges remain in Norton county.

The Canton Bridge Company, Canton, Ohio, was advertising in the Engineering Record, as early as 1876, but little is known about their early history. It was incorporated in 1891 by W. E. Sherlock, President, and V. H. Hammond, Vice President, and C. E. Timkler, Chief Engineer. It is possible that V. H. Hammond was a relative of Wrought Iron Bridge Company's D. Hammond. The company operated independently until 1925, when it was purchase by Massillion Steel Joist Company of Massillion, Ohio. In 1927 the two companies were merged into the Macomber Steel Company and the Canton Bridge Company name was dropped.

The Kansas Department of Transportation (KDOT) carried out a statewide inventory of historic bridges between 1980 and 1983. The bridges to be

National Register of Historic Places Continuation Sheet

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Section number	8	Page	1

included were identified through computer printouts developed by KDOT, from information supplied by the counties (since almost all of the historic bridges were located on secondary rather than the primary road system), and by direct observation by field personnel. All bridges were inspected by KDOT personnel to verify the data on file. That information was jointly evaluated by representatives of KDOT, Kansas State Historical Society, and the State Historic Preservation Officer.

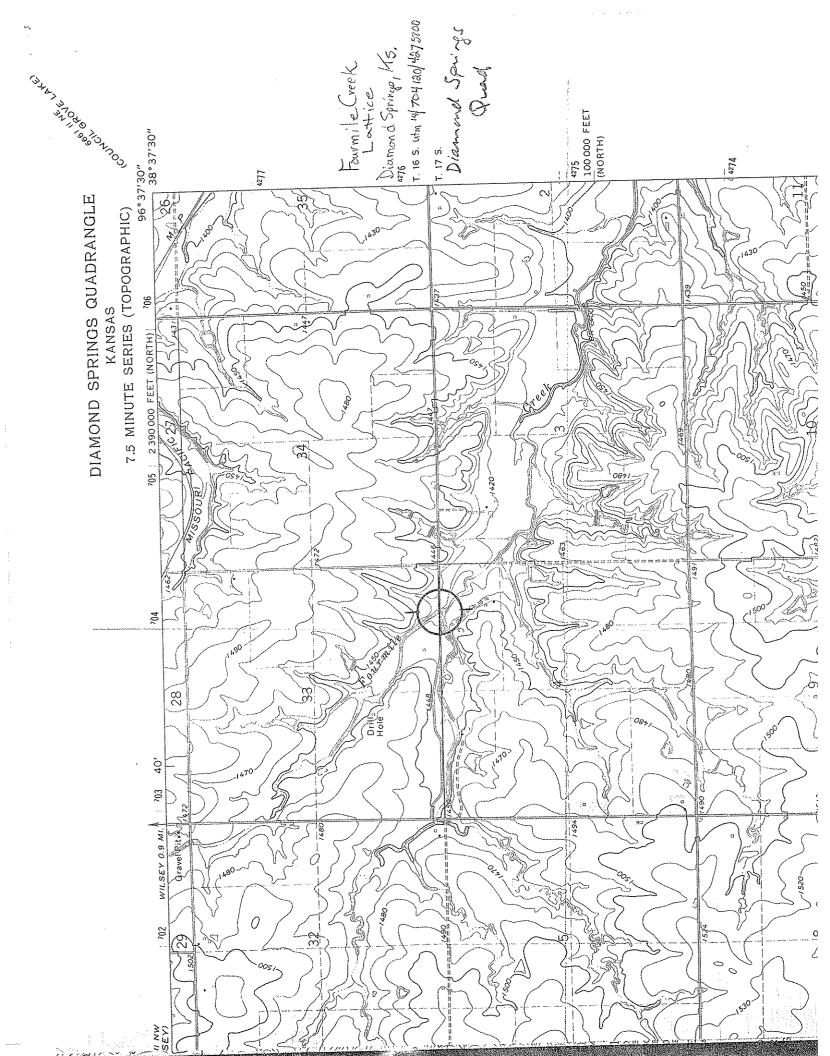
Each structure was evaluated using a points rating system adapted from the points evaluation rating developed by the Ohio Department of Transportation and Ohio Historic Preservation Office. Consideration was given to areas such as age, builder, number of spans, length, special features, history, integrity, surviving numbers, and preservation potential.

In many instances there is little information about individual structures. Often bridge plaques which may have contained information have been removed, or the county's records are not complete or have been destroyed. Due to the large numbers of similar structures there is often little to choose from in differentiating among individual bridges other than condition and the likelihood of preservation.

The purpose of the KDOT study and subsequent evaluation was to identify a representative selection of bridges of each class. Through this approach KDOT and KSHS hope to preserve for posterity some examples of each type.

9. Major Bibliogra	phical References	

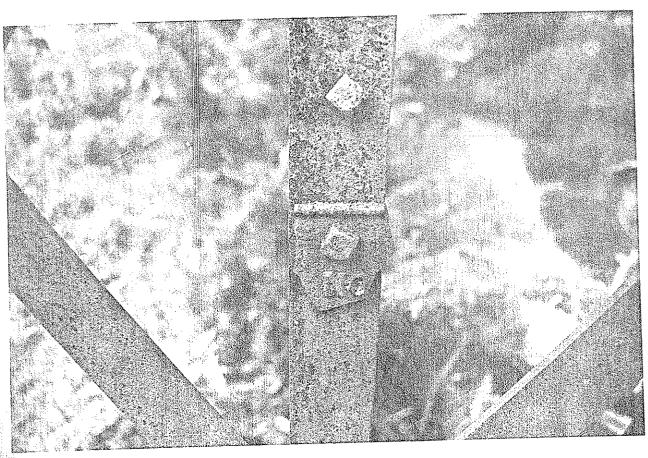
Victor C. Darr Society f	nell, American Bridge Buil For Industrial Archeology	ding Companies, Washington, DC: Occasional Publication 4, 1984.
David Weitzman		Field Guide to Industrial Archeology,
James L. Coope F.H.W.A., N.P.S., J	, Indiana Dept. of Highway	tant Posterity, DePauw University, ys, Indiana Dept. Natural Resources,
in Virgir	r, A Survey and Photograph nia, Charlottesville: Vi Council, 1975.	nic Inventory of Metal Truss Bridges rginia Highway & Transporation
Previous documenta preliminary deter has been reques previously listed previously deterr designated a Na recorded by Hist Survey #	ition on file (NPS): mination of individual listing (36 CFR 67)	Primary location of additional data: X State historic preservation office Other State agency Federal agency Local government University Other Specify repository: Kansas State Historical Society
Record #		
10. Geographica	il Data	
Acreage of property	less than one acre	
LITM References	+ 1 ₁ 2 ₁ 0 4 ₁ 2 7 ₁ 5 8 ₁ 0 ₁ 0	B Zone Easting Northing D See continuation sheet
section 4, to whose northea	property is located on township 17 south, range 7 st corner is represented	the NE 1/4, NW 1/4, NE 1/4, NE 1/4, east on a tract measuring 35' x 16' by the northeast corner of the orner the boundary proceeds 35' st, and 16' southeast to the point of See continuation sheet
	Aires	
Boundary Justifica The boundary the nominated	includes only that area	that is historically associated with
		See continuation sheet
11. Form Prepa	ared By	
name/title	Larry Jochims	Can tamban 20 1090
organization	Kansas State Historical Society	dateSeptember 20, 1989
street & number_	120 W. 10th	telephone (913) 296-3251 state KS zip code 66612
city or town	Topeka	21010

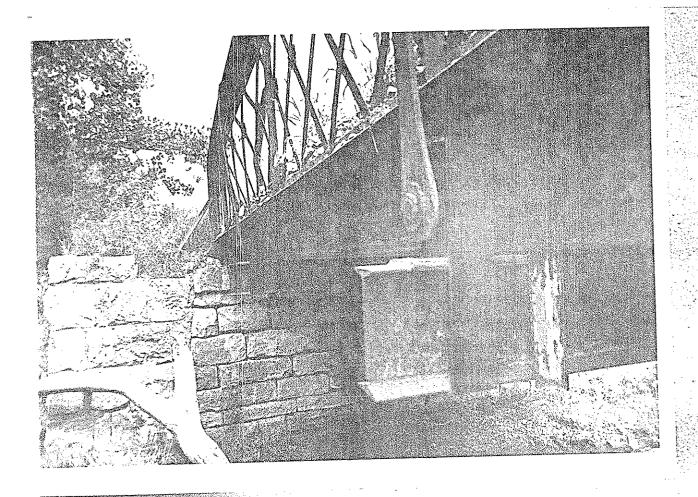


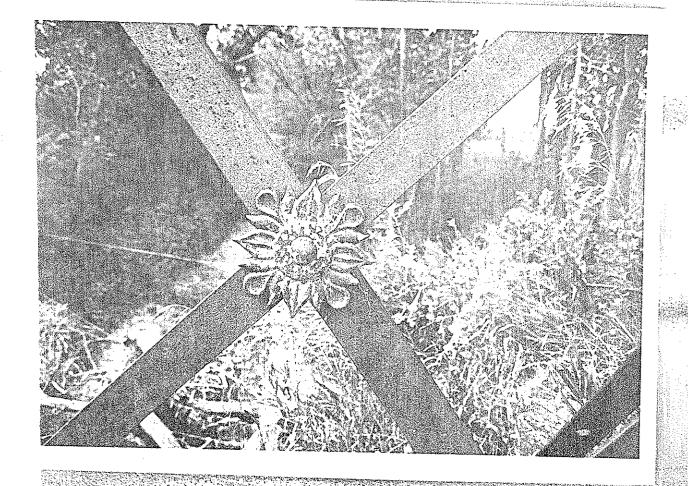












Four Mile Creek haddice
Wilsey, Kampoes
Photostaken by Larry Joching on August 11, 1985
Negatives located at the forms State distorted society
South Side booking NW
196

Four mile Creek Lattice Wilsey, Kansas Larry Jockins August 11, 1985 Konsas State Historical Society East approach looking west 2 of 6

Your mile Creek lattice
Wilsey, Kansas
Larry Jochims
Ougust 11, 1985
Kansas State Historical Society
West approach looking east
3 of 16

West regions with Tour

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I. Name of Property			
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other names/site number Fourinite Cheek	Slattice		
		Q FAS 13 and	FAS. 820
2. Location Imiles west and limit	o warra Truscano	A F. As TOWN	not for publication
street & number Unmarked county road			vicinity
city, town Wilsey	county Wilder	code 47	zip code lab 873
state Kompos code Ko	county Wilder	0000 // //	
3. Classification			
	ategory of Property	Number of Reso	ources within Property
private	building(s)	Contributing	Noncontributing
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	site		sites
public-State	structure		structures
public-Federal	object		objects
L] object		Total
	• *	Number of cont	ributing resources previously
Name of related multiple property listing:			tional Register
 State/Federal Agency Certification As the designated authority under the I 			
National Register of Historic Places and In my opinion, the property meets	does not meet the National	Register criteria. L_ See	continuation sheet. Date
Signature of certifying official			Date
State or Federal agency and bureau			
In my opinion, the property meets	does not meet the National	Register criteria. Se	e continuation sheet.
Signature of commenting or other official			Date
Orginators of Community of Comm			
State or Federal agency and bureau			
5. National Park Service Certification	on		
I, hereby, certify that this property is:		•	
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See continuation sheet.			
determined eligible for the National	_		
Register. See continuation sheet.			
determined not eligible for the			
National Register.			
removed from the National Register.	. :		
other, (explain:)			
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Statement of Significance					•				
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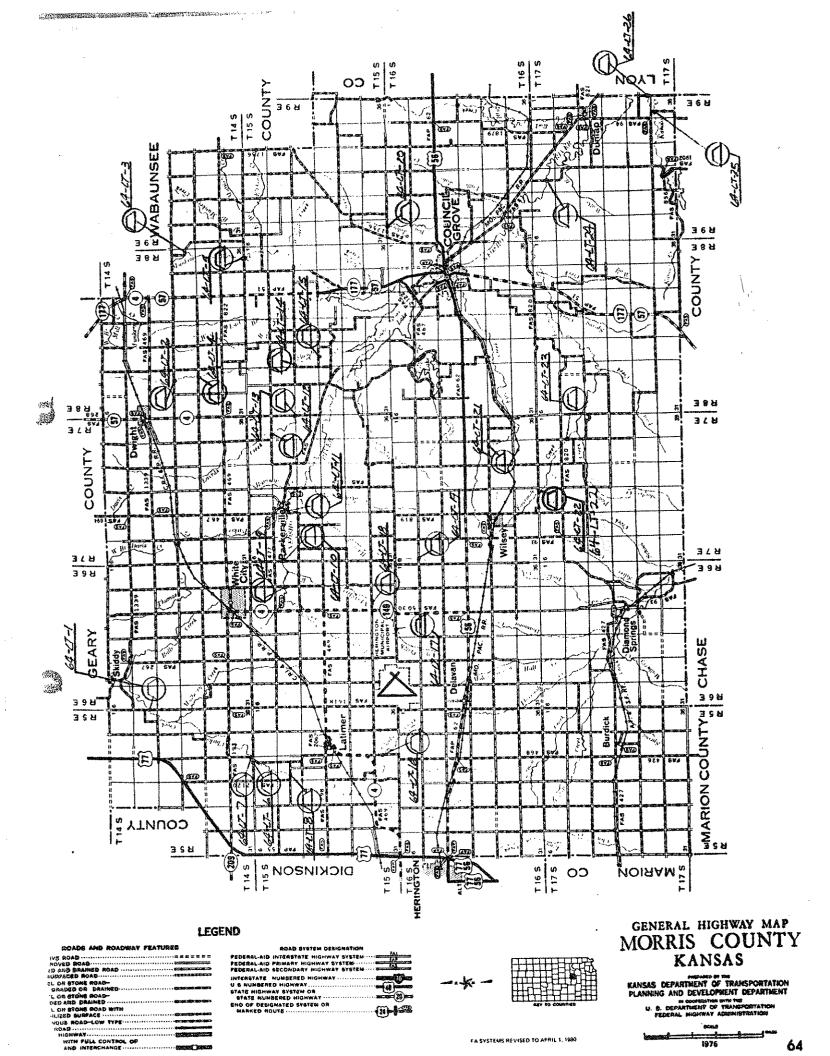
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		hotographic Inventory of Metal
	Truss Bridges in Virginia, Cha	arlottesville: Virginia Highway
	& Transportation Research Cou	ncil, 1975.
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Previous (documentation on file (NPS):	
prelimi	inary determination of individual listing (36 CFR 67)	Primary location of additional data:
	een requested	State historic preservation office Other State agency
previo	susly listed in the National Register susly determined eligible by the National Register	Federal agency
	nated a National Historic Landmark	Local government
	ted by Historic American Buildings	University
Survey	y #	Other
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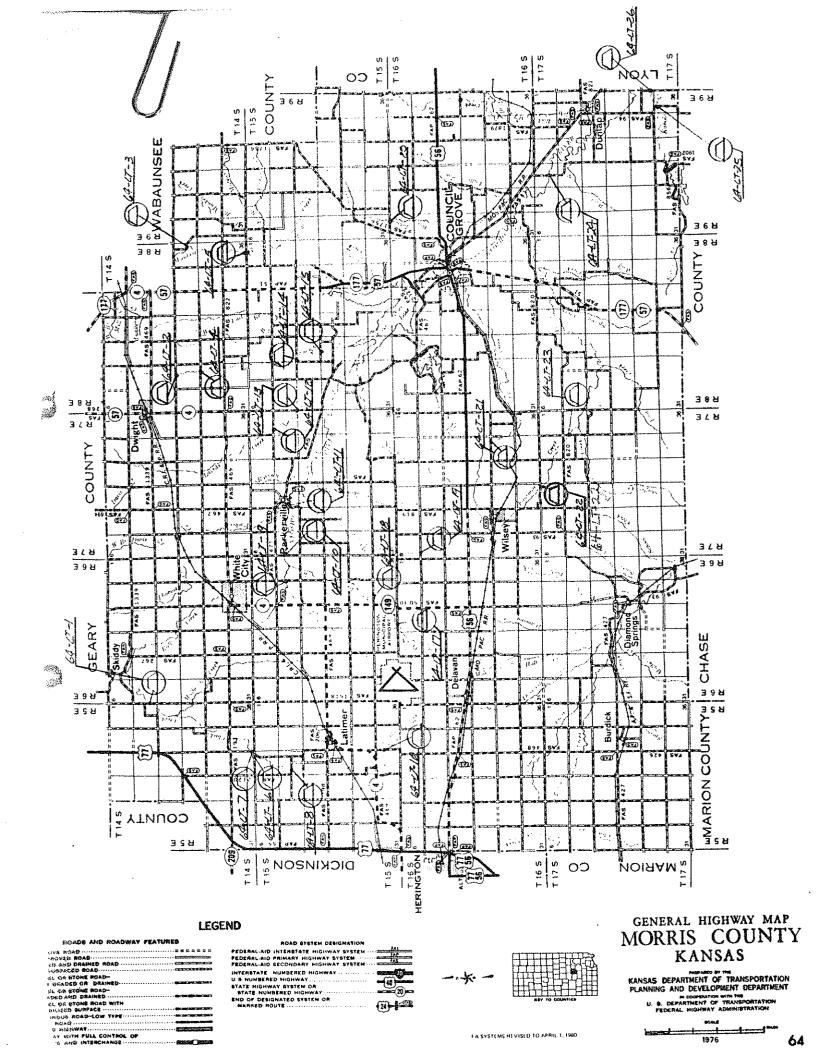
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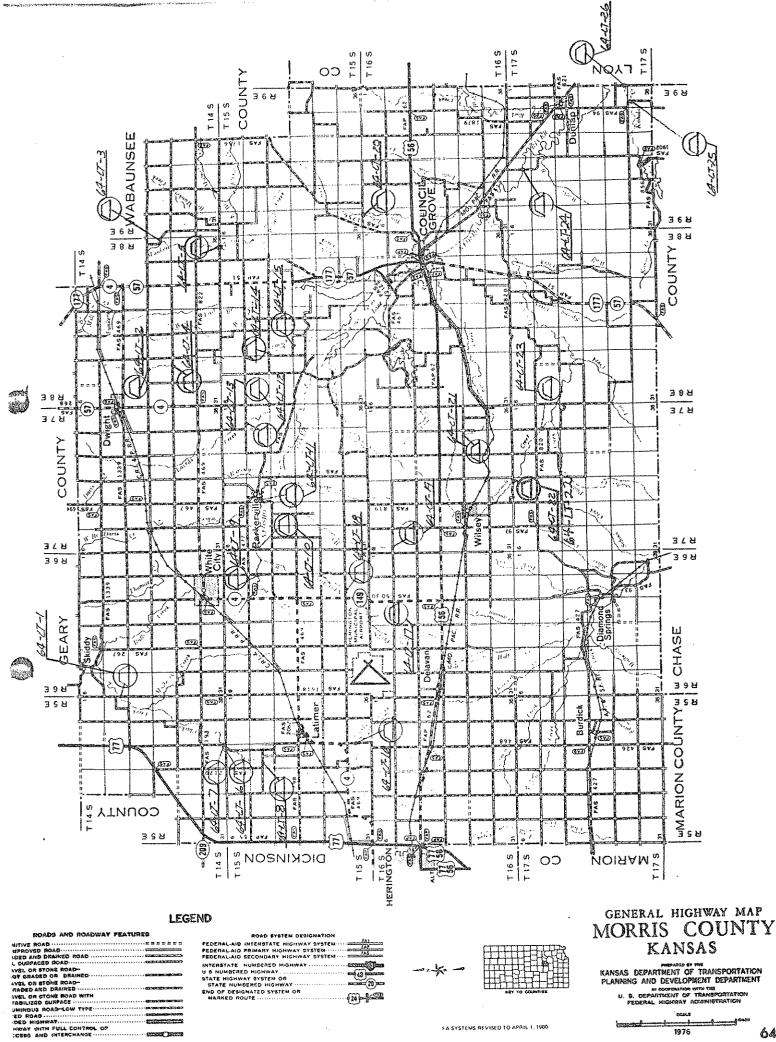


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